LABORATORY OF COMPUTATIONAL NEUROSCIENCE (LCN)

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Thursday, November 15th, 2012
13h30, Room SG 0213

Computational Neuroscience Seminar

Prof. Florentin WOERGOETTER,

Center for Systems Neuroscience, Göttingen

Time Scales of Learning and Memory

Only after about ten days the storage capacity of our nervous system would be reached if we were storing every bit of input. The nervous system relies on at least two mechanisms that counteract this capacity limit: selecting and forgetting, which are used in different ways for working-, short-term and long term memory.

In this talk I will review some learning/memory mechanisms with respect to their time scale and present ideas and algorithms for the different types of memories and their potential use by an acting agent (robot/human).